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From: Ottaway, William (DEC)
Sent: Fri 10/13/2017 6:07:25 PM
Subject: RE: PFAS - Questions from CT and ME - and a recent webinar on analytical methods
PFAS site data revised for printing.pdf

Here's an update from Regenesis on the use of PlumeStop for PFAS.

New York has a half dozen PlumeStop applications underway now for chlorinated solvents. Check back next year for an update.

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HI Bill - I have a link to a video we prepared on recent PFAS site data. I attached a snap shot of results. We have a webinar scheduled in December and I can also get you in touch with the consultant if you have specific questions. It was an accidental site - hydrocarbon site in Ontario and had fire training area. They were able to collect baseline prior to Plume stop application and monitored PFOS/PFOA after the application.

The first link goes through linked in and the second link is directly to video

https://www.linkedin.com/pulse/breakthrough-development-environmental-technology-scott-wilson/

https://regenesis.com/PFASTreatment/

From: Maybury, Steve Ex. 6 - Personal Privacy
Sent: Friday, October 13, 2017 1:43 PM
To:
Subject: RE: PFAS - Questions from CT and ME - and a recent webinar on analytical methods

1. NJDEP has not yet issued any statewide guidance for QA/QC and we review QAPPs case-by- case. NJDEP is currently in the earliest stages of updating our Field Sampling Procedures Manual which when complete will include guidance for PFAS sampling.

The QAPP in a joint EPA Region 2/ EPA National Exposure Laboratory/NJDEP PFAS study calls for collecting duplicates, field blanks, trip blanks and laboratory spike blanks, all at a frequency of one per ten samples collected. The field work for this study is expected to be implemented in the late fall.

2. We are not aware of PlumeStop being used in NJ.

Stephen E. Maybury

New Jersey Department of Environmental Protection

Chief, Bureau of Case Management

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PO Box 420

401 East State Street

Trenton, NJ 08625-0420

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From: Jennifer Griffith **Ex. 6 - Personal Privacy**
Sent: Tuesday, Septembe[illegible]
To:
Subject: PFAS - Questions from CT and ME - and a recent webinar on analytical methods

To: NEWMOA PFAS Working Group

CT and ME both have questions – please send relevant information regarding:

1. Can states share what exact QA/QC measures they have taken when sampling? As in frequency of trip blanks, field blanks, duplicates, blind duplicates, etc?

2. Does anyone have experience with using PlumeStop liquid carbon from Regenesis on PFAS contaminated groundwater? PlumeStop will bind the PFAS, but not degrade it. Wondering about any practical treatment experience and **policy considerations with leaving PFAS bound in the aquifer materials**.

Also - NEBRA (Northeast Biosolids and Residuals Association) recently held a webinar on analytical issues with PFAS and the slides are at: https://static1.squarespace.com/static/54806478e4b0dc44e1698e88/t/59baa9f7e5dd5ba4b0f0a2d2/15054054658 WEBINAR-AllSlides-14Sept2017v2.pdf - the webinar was reportedly well done and valuable

The take-home messages (a la ME DEP) were that:

- the analytical science is rapidly evolving,
- EPA method 537 is for drinking water only and there is not standard "modified method 537" for wastewater or solids
- EPA is leaning towards using ASTM method D7979 for wastewater, coupled with and ASTM method D7968 for extraction from solids
- there may not be great reproducibility between labs,
- Make sure you know what your lab is doing and the shortcomings/advantages of their approach
- Holding times can be an issue, sample containers play into this, and the webinar has BMPs
- Stay tuned on this issue

Jennifer Griffith, P.E.

Project Manager

Northeast Waste Management Officials' Association (NEWMOA)

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